Colorado Department of Transportati						Contract ID	1			Region	Date:		
Soils and Aggregate Density/Moisture CP80						Project Num	Project Number:			-1	I		
Soil- Rock Correction CP23 & Density Check (1 Point) CP25						Project Loca	ation:	on:					
Pit Name:						rial:	:						
Item: Class:		Material Code (SMM)		: Curv		NO. Classification:		ication:	T99 Method				
Gauge ID:		Tested by:		Max		num Dry Dens	um Dry Density:		Optin	T180 num Moisture C		D	
Moisture Standard Count: Sample ID SMI				Test NO:	Station:				Depth Below Grade:				
·			dend Count Date	Transmission Depth (Probe Setting)									
Density Standard Count:	Density Standard Count Date: Transmission Depth			epth (Probe Se	etting)	Lá	Lane: Offset:						
Field Test Gauge Readings CP80									auge Moisture Verification T265				
% Moisture		Density					Pan ID:	n ID: Pan Wt.:					
Reading 1:		Dry: Wet: Wet:					Wet Soil & Pan:						
Reading 2:									Dry Soil & Pan:				
Reading 4:		Wat.							Wet Soil Wt.:				
									Dry Soil Wt.:				
Average:	Ave: Ave:							Loss:					
FDR/RAP - Max. Dry Density: Wet density corrected to Dry Density use formula here Ave. Wet Density ÷ [1 + (T265 % moist A ÷ 100)] =									% Moisture (A):				
•	ensity only. Mixture shall be compacted to a n							Specifications for % Moisture: uge % Moisture within ± 1% of T265.					
Max. dry density determined by T180 Method D. CP25 & T265 must be performed at each in-place density location to verify the curve. See CP80 - 8.4.3.								If not, perform T265 at each location					
CP8	30 - Perce	ent Comp	action Calcu	lations w	ith less t	than 5 %	% Roc	k (+#4)					
Field Dry Density	_ ÷ Curve N	⁄lax. Dry De	nsity	x 100 =			% Rela	ative Compac	tion at	9	% Moistur	е	
			CP23 Calcula	ations for	Percent	Rock (+	⊦#4) a	and Soil					
			A - Oven Drie						100	o(D C		0.4	
Dry weight of Rock ÷ Dry Weight of Total Sample x 100 = Rock							%		100 -	% Rock = So)il	_%	
Met Weight of Pook							Total Weight of Dry Sample						
Wet Weight of Rock ÷ [1 + (Absorption ÷ 100)] = Dry We									Dry wt. of Rock (a) + Dry wt. of Soil (b)				
Wet Weight of Soil ÷ [1 + (Gauge % Moisture ÷ 100)] = Dry Weight of Soil Dry Weight of Rock (a) ÷ Total Weight of Dry Sample (c) x 100 = Rock %													
Dry Weight of Rock (a)						%							
CP23 AASHTO T 99 CF = 0.90		CP2	23 Op	timum Moi	sture C	alculation	S						
AASHTO T 99 CF = 0.90					% Soil x Opt. Moistur				re Content = (a)				
% Rock x CF x (SpG of Rock		x <u></u> x 62.4) =(b)			% Rock	Rockx Absorptio				n = (b)			
Sum (a) + (b) ÷ 100 = Corr. Max. Dry Density) + (b)		÷ 100 = C	orr. Op	t. Moisture		%	
CF	280 - Perc	ent Com	paction Calc	ulations v	vith mo	re than	5 % (Rock % =_		+#4)			
Field Dry Density÷	Corrected	Max. Dry De	ensity	_ x 100 =		%	6 Relat	rive Compact	ion at _	9	% Moistur	e	
			Cylinder Dens						T265	Moisture	Content		
Weight of Mold (lbs) Mold ID Mold								Pan ID Pan wt					
								_	Wet Soil & Pan				
Weight of Soil & Mold (lbs) Weight of Mold = Weight of O						Compacted Soil (lbs)			Dry Soil & Pan				
Weight of Compacted Soil(lbs) ÷ Mold Volume = V						Wet Density			Wet Soil Dry Soil				
Wet Density÷ [1 + (T265 % Moist B) ÷ 100)] = Dry Densit					.,				Loss % Moisture (B):				
IA Sample ID:					Place IA Stamp Here:								
<u> </u>													
IA % Relative Compaction: Remarks:		% Mc	oisture:										
c.nuns.													
							El	ectronic Signature	of IA Pers	onnel			